



# St. Xavier's College

Dr. Camil Bulcke Path, Ranchi

## Faculty Profile

<b>Name of Faculty Member</b>	: <b>Dr. Deependra Kumar Sinha</b>
Gender	: Male
Email ID	: deepe9dra@gmail.com
Name of Department	: Department of Commerce Vocational & Management Studies
Designation	: Assistant Professor
Level of Teaching	: Undergraduate
Academic Qualification	: Ph. D. (Environmental Engineering)
Total Teaching Experience	: 06 Years and 01 Months
UGC NET/SET Qualified	: No

### **Research Papers Published:**

- 1) **Geopolymer: A recent trend on non-ferrous industrial waste material for building construction, Sustainable Lifestyle approaches towards Environment and Climate Change**, EIACP (PC-RP) Special Issue, 2023. ISSN - 0972 - 4656 MINENVIS Monograph.
- 2) **Social Entrepreneurship need and challenges**, IOSR Journal of Business and Management (IOSR-JBM), Publication date: 24<sup>th</sup> June. 2022, e-ISSN: 2278-487X, p-ISSN: 2319-7668. Volume 24, Issue 6. Ser. IV (June. 2022), PP 01-05.
- 3) **Moral values Promotes Personality in Students life**, IOSR Journal of Humanities And Social Science (IOSR-JHSS), Publication date: 24<sup>th</sup> Oct. 2020, e-ISSN: 2279-0837, p-ISSN: 2279-0845, Volume 25, Issue 10, Series 9 (October. 2020), Page Number - 16-21.
- 4) **Physio-Chemical parameters of surface water of Hatia region at Ranchi, Jharkhand**, ISOR-Journal of Environmental Science, Toxicology and Food

Technology. e-ISSN: 2319-2402, p-ISSN: 2319-2399, Volume – 13, Issue – 11, November 2019, Page Number – 33 – 38.

- 5) **ETP Sludge as filler and the role of AOD slag and GBFS in fly ash-slag-sludge blanded geopolymer**, (JP Singh, **Deependra Kumar Sinha**, Sujeet Kumar, Manish Kumar Jain, Anil Kumar) MOJ Civil Engineering, Med Crave, 2018, vol. – 4 (5), page 379 – 384.
- 6) **Development of building material from steel industry by-products**, (**Deependra Kumar Sinha**, Anil Kumar) American Journal of engineering Research, 2018 Vol. 6 (11):157-195.

#### **Participation in UGC-HRDC Course/FDP/OC/RC:**

- 1) Attended National faculty development programme on **“Use of Artificial Intelligence in Profession & Education”** ICFAI Business School, organized by IBS branch - Ranchi in 12th August 2023.

#### **Seminar/Conference attended/Paper Presented (National/International):**

- 1) Attended International conference on **environment, Aquaculture and Sustainable Agriculture**, paper presented on **“Physio – chemical parameters of surface water of Hatia region at Ranchi, Jharkhand”** organized by Department of Botany, St. Xavier’s College, Ranchi, on 22 to 24 September 2023.
- 2) Attended seminar by AIPC on the topic Health and happiness, on 20<sup>th</sup> April 2022.
- 3) Attended International conference **“Innovative technologies for clean and sustainable development”** paper presentation on **“Durability properties of admixture of fly ash, bottom ash and GBFS”** organized by Chitkara University, Himachal Pradesh, on 14 -15 October 2021.
- 4) 3<sup>rd</sup> world clean Environment Summit (International Conference) at St. Xavier’s College, Ranchi, Jharkhand Held on 19<sup>th</sup> – 21<sup>st</sup> Aug. 2019. Key note Speaker, Presentation Topic: **Fly ash – A promising engineering material**.
- 5) **“Low strength geopolymer based on AOD slag & ETP sludge of steel industry for green building block”** International conference on advance in Environmental and agriculture biotechnology organized by St. Xavier’s college Ranchi, on Fe 2018.

- 6) International conference on **Advances in Materials and Manufacturing (ICAMM' 2017)**, organized by National institute of Foundry and Forge Technology, Ranchi, held in Ranchi January 19<sup>th</sup>-21<sup>th</sup>, 2017.
- 7) **Remote sensing and GIS technology application in disaster management**, Bihar Vigyan Congress, Science and Technology in Bihar: Emerging Trends, organized by Govt. Of Bihar, held in Patna February 17<sup>th</sup> – 19<sup>th</sup>, 2017.
- 8) **Reuse of by-products from industry to form an eco-friendly sustainable materials**, National conference on Environmental Issues Challenges and Solution (EICS-2016), organized by National institute of Foundry and Forge Technology, Ranchi, and held in Ranchi February 23<sup>th</sup>-24<sup>th</sup>, 2017.
- 9) **"Analysis of different sand casting defects in the foundry Industry"** National conference on Advance in environmental friendly Technology and there management, Organized by Government Women's polytechnic, Ranchi, Department of Higher and Technical Education, Jharkhand, Ranchi, held in Ranchi on April 29<sup>th</sup> – 30<sup>th</sup>, 2017.
- 10) National workshop on **Advances in Manufacturing Engineering (AME 2017)**, organized by National institute of Foundry and Forge Technology, Ranchi, held in Ranchi March 17<sup>th</sup>-18<sup>th</sup>, 2017.

#### **Book Authored:**

- 1) **"Development of Building components by geopolymerisation method"**, Lambert Publication, Germany, Publication Date: 14<sup>th</sup> April 2020, ISBN-10: 6202514809, ISBN-13: 978-6202514809.

#### **Chapter(s) Contribution in Book:**

- 1) **Durability properties of admixture of fly ash, bottom ash and GBFS**, Springer Nature Switzerland AG; 1st ed. 2022 edition (18 June 2022); ISBN-10:3030939359; ISBN-13:978-3030939359.

#### **Guest Lecture/Special Lecture Delivered:**

- 1) One day departmental workshop organized by The department of civil engineering, B. A. College of Engineering & Technology, Jamshedpur, Held on

Aug. 31st 2016. Resource Speaker, Presentation Topic: Advance Materials in Civil Engineering.

- 2) One day National Seminar 2020, Impact of corona Virus Lockdown on Humanity and Environment, at Mahabodhi Mahavidyalaya (B.Ed), Nalanda, Bihar, Held on 5 June 2020. Resource Speaker, Presentation Topic: Environmental Ethics.

**Any Special Award/Achievement:**

- 1) **“The IEI Young Engineer of the year Award”** for scientific contribution in the field of Engineering & Technology for the year 2017 – 2018 during 58<sup>th</sup> Annual General Meeting held on 10<sup>th</sup> November, 2018 at Engineer Bhawan, Doranda Ranchi.

[Dr. Deependra Kumar Sinha]